

ACC NR: AR7004864

in the case of considerable exposure of the metal to irradiation and under conditions in which the defects originating in the specimens do not anneal during the irradiation process. L. Ustinov. [Translation of abstract] [NT]

SUB CODE: 11/

Card 2/2

ACC NR: AP6034024

SOURCE CODE: UR/0080/66/039/010/2184/2189

AUTHOR: Troitskiy, O. A.

ORG: none

TITLE: Combined action of irradiation and a surface-active medium on the mechanical properties of zinc single crystals

SOURCE: Zhurnal prikladnoy khimii, v. 39, no. 10, 1966, 2184-2189

TOPIC TAGS: zinc, ~~zinc~~ single crystal, mercury coated crystal, crystal irradiation, proton irradiation, electron irradiation, gamma irradiation, alpha irradiation, beta irradiation, crystal mechanical property, irradiation effect, METAL FILM, TENSILE STRENGTH, DUCTILITY

ABSTRACT: Specimens of zinc single crystals, 10 mm long and 1 mm in diameter, coated with about 5 μ mercury film were irradiated with protons, electrons, gamma-ray at an intensity of $4 \cdot 10^4$ g-equiv, beta-radiation with an intensity of 100 and 200 cm, or alpha-radiation with an intensity of about 2 μ cm, and then tested for tensile strength at a deformation rate of 6.5—10%/min. Another series of tests was made during irradiation of the specimens without previous irradiation. The test results showed that proton, electron and gamma irradiation during deformation of zinc single crystals coated with a thin film of surface-active material (mercury) appreciably increased the adsorption effect of the decrease in the strength and ductility of zinc caused by the presence of mercury. The additional decrease in the

Card 1/2

UDC: 548.55 : 546.47 : 620.193

ACC NR: AP6034024

strength resulting from the combined action of the surface-active medium and irradiation varied from 25 to 40%, depending on the type and parameters of the irradiation source. Prolonged alpha, beta and gamma ray irradiation, as well as neutron and proton bombardment (1000 hr or longer), sharply reduced the strength of mercury-coated zinc single crystals, e.g., from 200 to 25—30 g/mm². The strength of mercury-coated zinc single crystals can slightly increase under the action of brief (20—25 hr) irradiation. This is associated with ordinary irradiation strengthening and also with facilitating the process of volume alloying due to the increased number of irradiation-induced point defects of the structure. The irradiation-induced increase of the adsorption effect (a strength decrease) is associated mainly with an increased mobility of the particles of the melt in the radiation field, with increasing defects in the base metal, and with ionization processes during irradiation. Orig. art. has: 5 formulas.

SUB CODE: 18/ SUBM DATE: 03Jun64/ ORIG REF: 016/

Card 2/2

ACC NR: AP7006213

SOURCE CODE: UR/0363/67/003/001/0200/0202

AUTHOR: Troitskiy, O. A.; Terekhova, N. B.

ORG: Institute of Solid State Physics, Academy of Sciences, SSSR (Institut fiziki tverdogo tela Akademii nauk SSSR)

TITLE: Effect of α irradiation on the microplasticity of quartz glass

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 3, no. 1, 1967, 200-202

TOPIC TAGS: alpha radiation, glass, irradiation effect, plasticity

ABSTRACT: The effect of α irradiation with Pu^{239} (particle energy 5.14 MeV) on the microplasticity of quartz glasses was studied by means of microhardness measurements in which the length of the diagonal in indentations made with a diamond pyramid was determined. Both the indenter and the α particles penetrated the glasses to approximately the same depth (10-12 μ). Gauss distribution curves of the microhardness values for deformation of the glass with and without irradiation showed that the field of external α radiation causes a decrease in microhardness or increase in the microplasticity of quartz glass. The number of atoms displaced under the influence of the α bombardment was calculated to be approximately 2.76×10^9 atoms/cm³ sec. From the thermodynamic standpoint, the irradiation affects the strength of the glass by changing the free surface energy of the glass. Orig. art. has: 1 figure and 1 table.

SUB CODE: 20/ SUBM DATE: 02Aug65/ ORIG REF: 006/ OTH REF: 004

UDC: 666.192+539.104.539.12.04

Card 1/1

L 3660-66 EWP(s)/EPA(s)-2/EWT(m)/EWP(1)/EPA(w)-2/EWP(b) WW/WH

ACCESSION NR: AP5018936

UR/0363/65/001/006/0984/0990

666.1:542.65

AUTHOR: Troitskiy, O.A.; Terekhova, N.B.

TITLE: Mechanical strength of a pyroceramic in relation to the conditions of its preparation, state of the surface, and moisture content

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 6, 1965, 984-990

TOPIC TAGS: pyroceramic, lithium aluminosilicate glass, pyroceramic preparation, glass mechanical property

ABSTRACT: The article deals with the relationship between the conditions of formation of pyroceramics of the lithium aluminosilicate system during the generation of crystallization centers, their structure, and their properties in samples with various surface states. The samples were subjected to preliminary heat treatments lasting various periods of time at 650C to allow the centers to form, and to the main heat treatment at 780C to cause the crystals to grow. The mechanical strength and microhardness were then measured. Electron microscopy was used to determine the degree of crystallization, and infrared spectra were taken at 2-5 μ to determine the moisture content qualitatively. Some of the

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L 3660-66

ACCESSION NR: AP5018936

3
samples were etched with 20% hydrofluoric acid (a 100-200 μ layer was thus removed). It was found that such chemical etching strengthens pyroceramics of the lithium aluminosilicate system catalyzed with titanium dioxide by a factor greater than 2. The microhardness of the pyroceramics was higher than that of the original glass, but the data showed a considerable scatter. The density of the pyroceramic increased with the duration of the pretreatment. The moisture content of the pyroceramics was found to be greater than that of the original glass; the cause of this effect was not determined. Orig. art. has: 4 figures.

ASSOCIATION: Institut fiziki tverdogo tela AN SSSR (Institute of Solid State Physics, AN SSSR) 445

SUBMITTED: 11Feb65

ENCL: 00

SUB CODE: MT

NO REF SOV: 002

OTHER: 003

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Card 2/2

TROITSKIY, O.A.; ...ONIK, I.D.

Case of a successful sarcosine treatment of metastases from
testicular cancer. Khirurgiya 39 no.12:101-102 D '63
(MIRA 14:1)

1. Iz kafedry obshchey khirurgii (zav. - prof. V.A. Ivanov)
lechebnogo fakul'teta II Moskovskogo gosudarstvennogo medi-
tsinskogo instituta imeni N.I. Pirogova.

1. The first part of the document is a list of the names of the persons who were present at the meeting. The names are listed in alphabetical order. The names are: [illegible]

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756720001-2

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756720001-2"

TROITSKIY, P., inzh.

For rural areas. Pozh. delo 7 no. 1:25 Ja '60. (MIRA 14:2)
(Farm buildings--Fires and fire prevention)

TROITSKIY, P.

Chief drivers as organizers of fire equipment maintenance.

Pozh.delo 3 No.6:21 Je '57.

(MLRA 10:7)

(Fire engines)

GEL'FGAT, Samuil Naumovich; KURSAKOV, S.F., ekon., retsenzent; TROITSKIY,
P.A., ekon., red.; ANTIPOV, V.P., red. izd-va; SMIRNOVA, G.V.,
tekhn. red.

[Production costs of a machinery manufacturing enterprise] Sebe-
stoimost' produktov mashinostroitel'nogo predpriyatiya. Moskva,
Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 126 p.
(MIRA 14:8)

(Machinery industry--Costs)

BEL'SKAYA, N.R., gornyy inzh.; KARAGODIN, L.N., kand.tekhn.nauk;
TROITSKIY, P.A.

"Outburst" of coal seams in the Donets Basin mines. Ugol' 37
no.2:43-47 F '62. (MIRA 15:2)

1. Makeyevskiy nauchno-issledovatel'skiy institut po bezopasnosti
rabot v gornoy promyshlennosti (for Bel'skaya, Karagodin).
2. Glavnyy inzh. tresta Dzerzhinskugol' (for Troitskiy).
(Donets Basin—Coal mines and mining—Safety measures)

TROITSKIY, P.A.

Indications for hypothermia in surgical practice. Kaz. med. zhur.
no.6:16-19 N-D '60. (MIRA 13:12)

1. Kafedra obshchey khirurgii (zav. - prof. A.K. Shipov) Ryazanskogo
meditsinskogo instituta. (HYPOTHERMIA)

YUR'YEV, Nikolay Mikhaylovich; KIRILLOV, Ivan Akimovich; SATEL', E.A.,
doktor tekhn.nauk, prof., red.; KUZNETSOV, B.R., inzh., retsenzent;
SOLODOVNIKOV, V.Ya., ekon., retsenzent; TROITSKIY, P.A., ekon., red.;
SALYANSKIY, A.A., red.izd-va; UVAROVA, A.F., tekhn.red.

[Technical, industrial, and financial plan of a machinery manufacturing
plant] Tekhpromfinplan mashinostroitel'nogo zavoda. Pod red. Ye.A.
Satslia. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry,
1957. 232 p. (MIRA 11:3)
(Industrial management) (Machinery industry)

TROITSKIY, Petr Aleksandrovich; STUCHEVSKIY, Mark Pavlovich; HEYMAN, Z.N.,
inzh., retsenzent; PROLOV, Ye.P., inzh., retsenzent; BOGINSKIY,
M.N., inzh.-ekon., red.; TKACHUN, A.I., red.izd-va; EL'KIND, V.D.,
tekhn.red.

[Cost planning for machinery manufacturing plants; methods and
practice] Planirovanie sebestoimosti na mashinostroitel'nom
zavode; metodika i praktika. Moskva, Gos.nauchno-tekhn.izd-vo
mashinostroit.lit-ry, 1959. 249 p. (MIRA 12:4)
(Machinery industry--Costs)

NE

TROITSKIY, Peter Aleksandrovich

5686

M2

T8

Planirovaniye Sebestoimosti Na Mashinostroitel'nom Zavode;
Metodika I Praktika (Planning Costs In The Machine Building Plant;
Methods and Practices, By) P. A. Troitskiy (I) Stuchevskiy, M.P.
Moskva, Mashgiz, 1959
249 P. Tables

SOV/1989

25(5); 25(3)

PHASE I BOOK EXPLOITATION

Troitskiy, Petr Aleksandrovich and Stuchevskiy, Mark Pavlovich

Planirovaniye sebestoimosti na mashinostroitel'nom zavode; metodika i praktika (Planning of Costs in a Machine-Manufacturing Plant; Method and Practice) Moscow, Mashgiz, 1959. 249 p. Errata slip inserted. 5,000 copies printed.

Reviewers: Z.N. Neyman, Engineer and Ye. P. Frolov, Engineer: Ed.: M.N. Boginskiy Engineer, Economist; Ed. of Publishing House: A.I. Tkachun; Tech. Ed.: V.D. El'kind; Managing Ed. for Literature on the Economics and Organization of Production (Mashgiz) T.D. Saksaganskiy

PURPOSE: This manual is intended for planning personnel and economists of machinery-manufacturing plants. It may also be useful to workers in other plants and economic councils as well as teaching personnel in economic vuzes and tekhnikums.

Card 1/4

Planning of Costs in a Machine-Manufacturing (Cont.)

SOV/1989

COVERAGE: The manual outlines the procedure for setting up a plan based on the cost of production in a machinery-manufacturing plant. This outline includes numerical examples which demonstrate the methods employed in relating various indices used in cost planning and points out the relationship between the cost and other aspects of the technical, industrial, and financial plan. Examples are also given for calculating the affectiveness of organizational and technical measures and planned savings for separate items in cost accounting. A balance method of calculating the plant cost of production plan covering everything from auxiliary shop outlays to the cost of gross production is included. No personalities are mentioned. There are no references.

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Card 2/4

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Planning of Costs in a Machine-Manufacturing (Cont.)	SOV/1989
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AVAILABLE: Library of Congress

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9/17/59

Card 4/4

VATULIN, Ivan Kuz'mich; GELLER, Leonid Il'ich; TROITSKIY, Petr Aleksandrovich; NOVOSPASSKIY, V.V., red.; ZAYTSEVA, L.A., tekhn. red.

[Principles of production planning for the information of the trade-union activist group] Profsoluznomu aktivu o planirovanii proizvodstva. Moskva, Profizdat, 1963. 95 p. (Bibliotekha profsoluznogo aktivista, no.3(51))

(MIRA 16:7)

(Industrial management) (Trade unions--Officers)

TROITSKIY, P.A., red.; DUL'NEV, V.P., tekhn.red.

[Wholesale price list for rollers and rolling-mill equipment]
Preisikurant optovykh tsen na prokatnoe oborudovanie i valki.
Mashgiz, 1949. 157 p. (MIRA 12:4)

1. Russia (1923- U.S.S.R.) Ministerstvo tyazhelogo mashino-
stroyeniya.
(Rolling mills--Equipment and supplies)

TROITSKIY, P.A., red.; MATVEYEVA, Ye.N., tekhn.red.

[List of wholesale prices for spare parts of industrial electric power plants in enterprises of the Ministry of Heavy Machinery; effective on 1 January 1950] Preiskurant optovykh tsen na zapasnye chasti dlia elektrostantsii proizvodstva predpriatii Ministerstva tiazhelogo mashinostroeniia. Vvoditsia v deistvie s 1 ianvaria 1950 g. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry. 1949. 5 p. (MIRA 11:6)

1. Russia (1923- U.S.S.R.) Ministerstvo tyazhelogo mashino-
stroyeniya.
(Electric power plants--Equipment and supplies--Prices)

TROITSKI, P. A.

Shop expenditures; standardization, planning, calculation and analysis of shop expenditures of machine-building plants.

TJ1135.L48 1953

1. Machine-shops

TROITSKIY, P. A.

Tsekhovyye Raskhody; Normirovaniye Planirovaniye Uchet i Analiz Tsekhovykh
Raskhodov Mashinostroitel'nogo Zavoda (Shop Expenditures; Standardization, Planning,
Calculation and Analysis of Shop Expenditures of Machine Building Plants, by) B. M.

Levin i P. A. Troitskiy. 2., Dop. I Perer. Izd. Moskva, Mashgiz, 1953.

251 P. Tables.

"Literatura": P. 249-250.

SO: N/5

741

.L66

1953

LEVIN, B.M.; TROITSKIY, P.A.

[Shop expenditures; standardization, planning, calculation and analysis of
shop expenditures of machine-building plants] TSekhovyie raskhody; normirovanie,
planirovanie, uchet i analiz tsakhovykh raskhodov mashinostroitel'nogo zavoda.
2., dop.i perer.isd. Moskva, Go.s nauchno-tekhn.isd-vo mashinostroit. lit-ry,
1953. 251 p. (MLRA 6:10)

(Efficiency, Industrial) (Machinery--Construction)

PA 248T64

TROITSKIY, P. M.

USSR/Engineering - Cranes
Blast Furnaces

30 Jan 53

"New Devices for Minor Mechanization in the Assembling of Steel Structures," Engrs R. M. Dol'nik and P. M. Troitskiy, Ural Steel Construction Combine

Byull Stroit Tekh, No 2, pp 13-16

Gives description and method of construction of special crane for lifting and pushing in place lining plates being assembled in blast-furnace throat. This device serves a 6-7-man fitting crew.

248T64

TROITSKIY, Petr Sergeyevich; AFANAS'YEV, S.G., redakter; VINOKUROV, Ye.B.
redakter; KONYASHINA, A., tekhnicheskii redakter.

[Servicing fire trucks] Tekhnicheskoe obsluzhivanie pesharnykh
avtomobilei. Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva
RSFSR, 1955. 113 p. (Fire-engines) (MLRA 9:5)

VOLKOV, Ivan Stepanovich, dotsent; BURMISTROV, Aleksandr Georgiyevich, inzh.;
TROITSKIY, P.S., red.; VINOKUROVA, Ye.B., red.izd-va; PETROVSKAYA,
Ye., tekhn.red.

[Maintenance and repair of fire engines and fire-fighting equipment]
Ekspluatatsiia i remont mashin i apparatov pozharotusheniia. Moskva,
Izd-vo M-va kommun.khoz.RSFSR, 1955. 398 p. (MIRA 12:3)
(Fire departments--Equipment and supplies) (Fire engines)

KHMELEV, Nikolay Vladimirovich; TROITSKIY, P.S., red.; NIKOLAYEVA, T.A.,
red.izd-va; NAZAROVA, A.S., tekhn.red.

[Efficiency promoting and inventions in fire prevention; collection
of proposals] Ratsionalizatsiya i izobretatel'stvo v pozharnoi
okhrane; sbornik predlozhenii. Moskva, Izd-vo M-va kommun.khoz.
RSFSR, 1960. 109 p. (MIRA 13:12)
(Fire departments--Equipment and supplies)

Troitskiy, Petr Sergeyevich

EPF
.R92627

Tekhnicheskoye Obsluzhivaniye Pozharnykh Avtomobiley
(Technical Maintenance of Fire Trucks)

Moskva, Izd-vo Kommunal'nogo Khozyaystva RSFSR, 1955.

113 (3) P. Illus., Diagr., Tables.

Literatura: P. (115)

FAYBISHENKO, Ayzik Davydovich; MART'YANOV, Igor' Mikhaylovich;
TROITSKIY, P.S., red.; NIKOLAYEVA, T.A., red.izd-va; LELYUKHIN,
A.A., ~~tekh.n.red.~~

[Operation of fire equipment under winter conditions] Ekspluata-
tsia pozharnoi tekhniki v zimnikh usloviakh. Moskva, Izd-vo
M-va kommun.khoz.RSFSR, 1960. 101 p. (MIRA 14:3)
(Fire departments--Equipment and supplies)

LYLOV, D.V.; SUSLENNIKOV, V.V.; ZAVOVIT, A.V.; Prinimali uchastiye:
IVASHIN, N.A.; PIGOLEV, S.V.; AFANAS'YEV, S.G.; TROITSKIY,
P.S., red.; ZAMYSHLYAYEVA, I.M., red. izd-va; SALAZKOV,
N.P., tekhn. red.

[Special purpose motor vehicles for fire prevention] Avtomobili spetsial'nykh sluzhb pozharnoi okhrany. Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1960. 274 p. (MIRA 16:10)
(Motor vehicles)
(Fire departments--Equipment and supplies)

SUKHORUKOV, Fedor Vasil'yevich; SIBIRYAKOV, Vasiliy Nikolayevich;
SOLOMONIK, Yakov Abramovich; VOROB'YEV, Ivan Yegorovich;
VASIKOV, Ivan Nikitich; TROITSKIY, P.S., nauchn. red.

[Fire extinction equipment] Pozharnaya tekhnika. Moskva,
Stroizdat, 1965. 286 p. (MIRA 18:2)

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
COMMON ELEMENTS																										COMMON VARIABLE ELEMENTS																									
<p>Experimental application of shale to gasification in Hilger gas producers and an attempt to utilize the obtained gas in the Siemens-Martin furnaces of the Putilov steel mill. P. V. Troitzki and G. O. Konyaev. <i>Bituminous Shale and Its Tech. Utilization, Leningrad</i> (Leningrad) 1932, 160-72. Operation of the Hilger gas producer, which is described in detail, with 75% of Veimarn shale and 25% of coal was satisfactory. Analyses are given of gases and of the fuel used in various stages of the process.</p> <p style="text-align: right;">A. A. Bochtlingk</p>																																																			
<p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																																																			
<p>1ST AND 2ND ORDERS</p>																										<p>3RD AND 4TH ORDERS</p>																									

TROITSKIY, R.A.

Some characteristics of skin transplantation in burns [with summary
in English] Khirurgia 34 no.5:105-108 My '58 (MIRA 11:7)

1. Iz gosnital'noy khirurgicheskoy kliniki Yaroslavskogo meditsinskogo
instituta (zav. - prof. A.A. Troitskiy).

(BURNS, surgery

skin transpl., new techincs & results (Rus))

(SKIN TRANSPLANTATION,

in burns, new techincs & results (Rus))

EXCERPTA MEDICA Sec 9 Vol 13/4 Surgery Apr 59

1792. (591) CERTAIN CHARACTERISTICS OF SKIN PLASTY IN BURNS (Russian text) - Troitsky R. A. - KHIRURGIYA 1958, 5 (105-108)

Although autoplasty is the most reliable method, it cannot be used in all cases. Poor general condition of the patient and extensive and deep burns are conditions in which autoplasty is contraindicated. In small children homoplastic skin grafts are taken from their mothers. In adults the burned wounds should be covered with large flaps of skin taken from cadavers. This skin must be preserved at a temperature of +4°C for 1-2 days. The flaps should be applied tightly to the burned surfaces and sutured to the healthy skin. At the end of the first month the cadaveric skin is detached, but the granulations are smooth, healthy and suitable for autotransplantation. Cadaveric skin is used in early and late secondary plasty in 2 patients and improvement of the general condition of the patient and the growth of healthy granulations were obtained. Late autoplasty was applied and the patients were able to resume their ordinary avocations. Primary skin autoplasty in burns of the fingers of the 3rd and 4th degree was used and excellent results were obtained.

(IX, 19^a)

TROITSKIY, R.A. (Yaroslavl', ul.Revolyutsionnaya, d.6a, kv.10)

Prevention and treatment of burn infections. Nov. khir. arkh. no.4:
109-110 JI-Ag '60. (MIRA 15:2)

1. Kafedra gosptal'noy khirurgii (zav. - prof. A.A.Troitskiy)
Yaroslavskogo meditsinskogo instituta.
(BURNS AND SCALDS)

TROITSKIY, R. A.: Master Med Sci (diss) -- "The complex use of certain antibiotics in a system of local treatment of heat burns". Ryazan', 1959. 15 pp (Ryazan' State Med Inst im Acad I. P. Pavlov), 200 copies (KL, No 13, 1959, 113)

TROITSKIY, R.A.

Glomus tumors of the phalanges of the fingers. Khirurgia no.12:
57-59 D' 55. (MLRA 9:7)

1. Iz fakul'tetskoy khirurgicheskoy kliniki sanitarno-gigiyenicheskogo fakul'teta I Moskovskogo ordena Lenina meditsinskogo instituta (zav.-prof. I.S.Zhorov) na baze 13-y gorodskoy klinicheskoy bol'nitsy (glavnyy vrach I.I.Silant'yev)

(GLOMANGIOMA

phalanges of fingers)

(FINGERS, neoplasma
glomangioma)

TROITSKIY, R.A.

Pathogenesis of surgical sepsis. Eksper. khir. 5 no. 2:63-64 Mr-Ap
'60. (MIRA 14:1)

(OPERATIONS, SURGICAL) (SEPTICEMIA)

The image shows a microfiche card with a document page visible through its transparent window. The document is titled "TROITSKIY, S." and "ca". It contains a paragraph about the utilization of boiler steam in tannery laboratories by Troitskiy and D. Utinskiy, dated 1933. Below the text is a classification code "621.115(1933)". The card also features a header with the number "30" and a footer with the text "METALLURGICAL LITERATURE CLASSIFICATION".

TROITSKIY, S.
ca

30

Utilization of boiler steam in tannery laboratories. S. Troitskiy and D. Utinskiy. *Kozhvenno-Obuvnaya Prom.* 12, 115(1933); *Chimie & industrie* 30, 922.—A brief description of a simple arrangement of steam-heated equipment for tannery labs. A. Papineau-Couture

621.115(1933)

METALLURGICAL LITERATURE CLASSIFICATION

TROITSKIY, S. A.

"Epidemiology of Tropical Malaria in Gor'koiy Oblast", Med. Paraz. i Paraz. Bolez.,
Vol. 17, No. 5, pp 408-12, 1948.

TROITSKIY, S.A.

Letter to the editor. Lab.delo 2 no.1:29 Ja-F '56.

(MIRA 9:10)

(HEMOGLOBIN)

(MEDICAL INSTRUMENTS AND APPARATUS)

TROITSKIY, S.A., doktor meditsinskikh nauk; GALUNOVA, A.P. (Gor'kiy)

Volume and diameter of erythrocytes in toxipathic hepatitis. Klin.
med. 34 no.4:90 Ap '56. (MLRA 10:1)

1. Iz klinicheskogo otdela (zav. S.I.Ashbel') Gor'kovskogo nauchno-
issledovatel'skogo instituta gigiyeny turda i professional'nykh
zabolevaniy.

(ERYTHROCYTES)

(LIVER--DISEASES)

TROITSKIY, S.A.; KOLESNIKOVA, N.V.; KOZHEVNIKOVA, Z.I. (Gor'kiy)

Significance of antileukocytic autoantibodies in the pathogenesis
of benzene leukopenia. Gig.truda i prof.zab. 3 no.4:50-51
Jl-Ag '59. (MIRA 12:11)

1. Institut gigiyeny truda i profzabolevaniy.
(ANTIGENS AND ANTIBODIES)
(BENZENE--TOXICOLOGY)

TROITSKIY, S.A., doktor med.nauk; ABRAMOVA, N.A., nauchnyy sotrudnik

Blood picture in rheumatic fever in adolescents and youth. Kaz.med.
zhur. no.5:13-16 S-O '60. (MIRA 13:11)

1. Iz klinicheskogo otdela (zav. - prof. S.I.Ashbel') Gor'kovskogo
nauchno-issledovatel'skogo instituta gigiyeny truda i professional'-
nykh zabolevaniy.

(RHEUMATIC FEVER)
(BLOOD--EXAMINATION)

TROITSKIY, S. A., doktor med. nauk (Gor'kiy)

Concerning the article of Prof. I. A. Kassirskii and Prof. G. A. Alekseev, "On the nomenclature of blood cells". Probl. gemat. i perel. krovi no.12:31 '61. (MIRA 15:6)

(BLOOD CELLS)

TROITSKIY, S.A., doktor med.nauk

Immunological changes in leukopenia of occupational
etiology. Gig. i san. 26 no.7:84-88 J1 '61. (MIRA 15:6)

1. Iz Gor'kovskogo instituta gigiyeny truda i professional'nykh
bolezney.

(LEUKOPENIA)
(OCCUPATIONAL DISEASES)

KAYANOVICH, V. A.; KAVALEROVA, S. M.; TROITSKIY, S. A. (Gor'kiy)

Problems in industrial hygiene and the state of health of workers
in benzoyl peroxide production. Gig. truda i prof. zab. no.1:
46-49 '62. (MIRA 15:2)

1. Gor'kovskiy nauchno-issledovatel'skiy institut gigiyeny truda
i profbolezney.

(INDUSTRIAL HYGIENE) (BENZOYL PEROXIDE--TOXICOLOGY)

TROITSKIY, S.A.

Erthrocytometric curves in some occupational diseases. Trudy GIGT
no.9:125-135 '62. (MIRA 17:9)

machine building capacities. Initially, it was 40 kg, then 50 kg, then

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L. 37756-66 F.T.(m)

ACC NR: AP6028239

(N)

SOURCE CODE: UR/0392/66/000/002/0082/0084

AUTHOR: Smurova, Ye. I.; Rogovaya, T. Z.; Yakub, I. L.; Troitskiy, S. A.

ORG: Institute of Labor Hygiene and Occupational Diseases, Gor'kiy (Institut 30
gigiyeny truda i profbolezney) B

TITLE: State of health of personnel servicing high, ultrahigh, and superhigh frequency generators at physical therapy units

SOURCE: Kazanskiy meditsinskiy zhurnal, no. 2, 1966, 82-84

TOPIC TAGS: radiation biologic effect, physiologic parameter, blood, cholinesterase, psychoneurotic disorder

ABSTRACT: The state of health of 84 nurses employed at physical therapy units in which they were exposed to radiation from high, ultrahigh, and superhigh frequency generators at electric field strengths ranging from tens to hundreds of v/m was investigated. The nurses complained of headaches, irritability, pains in the cardiac region, increased tendency to perspire, general debility, and restless sleep - less frequently vertigo, loss of hair, numbness of fingers, and epiphora. No pathological changes in internal organs were found. Vegetative vascular disturbances, a tendency towards anemia, leukopenia, thrombocytopenia, and an increased reaction of erythrocyte precipitation were found to be present. A decrease in the albumin level, an increase in the globulin content, and a decrease in the albumin-

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UDC: 615.83-614.256.5

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ACC NR: AP6028239

globulin index were also established. Twenty-five of the nurses exhibited a tendency towards a reduction of the cholinesterase level in the plasma and erythrocytes. To protect medical personnel from electromagnetic radiation, improved screening by means of cotton fabrics containing conducting wire or by means of metallic netting can be applied, by systems for remote control of the equipment should be developed. Orig. art. has: 1 table. [JPRS: 36,932]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 003

LS
Card 2/2

L 27737-66 EWT(1)/EWA(h) SCTB DD

ACC NR: AP6017293

(H)

SOURCE CODE: UR/0392/66/000/002/0082/0084

AUTHOR: Smurova, Ye. I.; Rogovaya, T. Z.; Yakub, I. L.; Troitskiy, S. A. 43
6

ORG: Institute of Industrial Hygiene and Occupational Diseases, Gor'kiy (Institut gigiyeny truda i profbolezney)

TITLE: General health of persons working with HF, VHF, and UHF generators in physiotherapy machines 2

SOURCE: Kazanskiy meditsinskiy zhurnal, no. 2, 1966, 82-84

KEY TAGS: microwave, VHF, human physiology, industrial hygiene, central nervous system, hematology

ABSTRACT: A study was made of the effects of chronic exposure to microwave irradiation on medical personnel working with physiotherapy machines. The 80 machines studied had 12 different types of generators with working frequencies from 1.6 to 2450 Mc ($\lambda = 184 \text{ m} - 12.2 \text{ cm}$) and power of 20-350 w. Control panel working conditions for various types of generators and treatment setups are evaluated in terms of industrial norms. Physiotherapy working conditions exceed permissible industrial exposure limits (20 v/m or 10 $\mu\text{w}/\text{cm}^2$) in almost every case, sometimes by as much as one to two orders of magnitude (170-1000 $\mu\text{w}/\text{cm}^2$). An experimental group of 84 physiotherapy nurses, and a control group of 27 nurses not exposed to electromagnetic fields, were kept under clinical observation for up to two years. The 25
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Card 1/1

UDC: 615.83-614.256.5

I 27737-56

ACC NR: AP6017233

majority were from 30 to 50 years old and had been working more than five years. The principal complaints were of headache, irritability, chest pain, increased tendency to perspire, general debility, and restless sleep. Less frequent complaints included vertigo, falling hair, numbness of the fingers, and a tendency to weep. No internal pathologies or organic CNS changes attributable to work with microwaves were discovered. However, marked dermographism, acrocyanosis, and tremor of the outstretched arm were noted. The clinostatic reflex was sharply positive. The functional state of the olfactory and visual analyzers was tested. Light sensitivity and dark adaptation were impaired and the olfactory threshold was raised, indicating reduced excitability of these CNS centers. Capillaroscopy revealed dilation of venous branches with slowed blood flow in 10 subjects. Hypotonia was noted in 18 subjects. Arterial pressure asymmetries and lowered oscillographic indices were noted in 35 and 40 subjects. In 19 subjects, arterial pressure after physical stress fell off. These results indicate serious vascular dystonia in the experimental

group. EKG studies of 72 subjects revealed sinus bradycardia and arrhythmia in 20 subjects. The average erythrocyte count was down in the experimental group. Erythrocyte sedimentation was faster in more than half the experimental group, the average being almost twice the normal rate. The average reticulocyte count was at the lower limit of the normal range. Erythrocyte diameter was decreased. Erythrocyte life appeared normal. Leukocyte, neutrophil, and especially lymphocyte counts were depressed in many subjects. Eosinophils were absent in 20% of the experimental group. The monocyte picture remained normal. The blood studies as a whole indicate a hyporegenerative hematopoietic reaction. In 35 subjects reexamined a year later,

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L 27737-66

ACC NR:

AP6017293

erythrocyte and monocyte counts were down while other indices remained unchanged. In 83% of the experimental group, albumen was lower, (gamma-) globulin was higher, and the albumen-globulin coefficient was lower than in the control group. Decreased blood cholinesterase activity was noted in 25 subjects. Vegetative-vascular disturbances, accompanied by a tendency to anemia, leukopenia, thrombocytopenia, and increased erythrocyte sedimentation rates were found. It is concluded that chronic exposure to electromagnetic fields of the order of tens or hundreds of volts per meter in the VHF range can affect the general health of a person so exposed. Orig. art. has: 1 table. [DP]

SUB CODE: 06/ SUBM DATE: none/ ORIG REF: .003/ ATD PRESS: 5002

Card 3/3 20

SMUROVA, Ye.I.; ROGOVAYA, T.Z.; TROITSKIY, S.A.; LASHCHENKO, N.S.;
MEL'NIKOVA, N.D. (Gor'kiy)

Industrial hygiene and the state of health of workers at enterprises using high-frequency currents. Gig. truda i prof. zab. 6 no. 5:22-28 My'62. (MIRA 16:8)

1. Gor'kovskiy nauchno-issledovatel'skoy institut gigiyeny truda i professional'nykh bolezney.

(INDUSTRIAL HYGIENE)
(ELECTROMAGNETIC FIELDS—PHYSIOLOGICAL EFFECT)

LEBEDEV, A.M.; TROITSKIY S.G.; SHASHKIN, V.L.

Scale factor for the quantitative interpretation of gamma-ray
logging. Atom.energ. 10 no.4:394-396 Ap '61. (MIRA 14:4)
(Logging (Geology)) (Gamma rays)

TROITSKIY, S.G.; SHASHKIN, V.L.; BYKOVA, K.I.

Possibility for separate determination of uranium and thorium on
measurements of γ -ray spectra from ores occurring naturally.
Atom. energ. 12 no.1:70-72 Ja '62. (MIRA 15:1)
(Gamma rays--Spectra) (Uranium) (Thorium)

TROITSKIY, S.O.; SHASHKIN, V.L.; BYKOVA, K.I.

Instrument spectra of γ -radiation from infinite strata of uranium
ore. Atom. energ. 12 no.1:67-70 Ja '62. (KIRA 15:1)
(Gamma rays--Spectra) (Uranium)

TROITSKIY, S.G.; SHASHKIN, V.L.

Concerning the report by L.S. Polak and others "Studying the spectrum of gamma-ray scattering for solving some geophysical problems." Geol. i geofiz. no.7:107-108 '62.

(MIRA 16:7)

(Rocks--Density)
(Gamma-ray spectrometry)
(Polak, L.S.)

TROITSKIY, S. I.

"Aeropsynoptical Indications for Weather Forecasting with a Map, When
the Neighborlands Send No Meteorological Observations," Office for War Meteorology,
Leningrad, 1933.

TROITSKIY, S. I.

"Distribution of Temperature and Wind in the Stratosphere," Office for War-Meteorology in the Central Geophysical Observatory, Central Admin., Hydrometeorological Office in the USSR, Leningrad 1933.

SAKS, V.N., glav. red.; ARKHIPOV, S.A., zam. glav. red.; BISKE, S.F., red.; VLOVIN, V.V., red.; VOLKOVA, V.S., red.; GROMOV, V.I., red.; IVANOVA, I.K., red.; LAVRENT'YEV, A.I., red.; MARTYNOV, V.A., red.; NIKOLAYEV, N.I., red.; STRELKOV, S.A., red.; TROITSKIY, S.L., red.; CHOCHIA, N.G., red.; SHANTSER, Ye.V., red.; SHATSKIY, S.B., red.

[Basic problems in the study of the Quaternary period; for the 7th Congress of INQUA, U.S.A., 1965] Osnovnye problemy izucheniia chetvertichnogo perioda; k VII Kongressu INQUA (SShA, 1965). Moskva, Nauka, 1965. 495 p. (MIRA 18:9)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Institut geologii i geofiziki. 2. Chlen-korrespondent AN SSSR (for Saks).

BUSHTEDT, I.I., inzh.; TROITSEIY, S.K., inzh.; TRUSIN, G.V., inzh.

Waterproof material for roofs constructed without using roofing
papers. Stroi. mat. 5 no. 5:10-11 My '59. (MIRA 12:8)
(Roofing) (Waterproofing)

BUSHTEDT, I.I.; TROITSKIY, S.K.

Autoclave of a very simple design for use in laboratories.

Stroi. mat. 5 no.10:38 0 '59.

(MIRA 13:2)

(Autoclaves)

TROITSKIY, S.K.

Troitskiy, S.K. "Methods of stock improvement of the basic commercial fish of the Krasnodarsk kray," Trudy Rybovodno-biol. laboratorii Azherryvoda, Issue 1, 1949, p. 3-49, Bibliog: 18 items

SO: U-5241, 17 December 1953, (Letopis 'zhurnal 'nykh Statey No. 26, 1949).

TRCITSKIY, S.K.

Troitskiy, S.K. and Frolov, P.G. "Materials on the biology and importance in fishery of the three-spined stickleback (*Goasterosteus aculeatus* L.) in the Kuban estuaries," Trudy Rybovodno-biol. laboratorii Azcherrybvoda, Issue 1, 1949, p. 183-204, - Bibliog: 16 items

SO: U-5241, 17 December 1953, (Letopis 'zhurnal 'nykh Statey No. 26, 1949)

TROITSKIY, S.K.

Troitskiy, S.K. "Biology of the river period, supply and stock improvement of the Kuban 'rybets' and 'sheraya'," Trudy Rybovodno-biol. laboratorii Azcherrybvoda, Issue 1, 1949, p. 51-109, - Bibliog: 18 items

SO: U-5241, 17 December 1953, (Letopis 'zhurnal 'nykh Statey No. 26, 1949).

TRUITSKIY, S.K.

Doroshin, G.Ya. and Troitskiy, S.K. "The characteristics of the spawning conditions of the Asian sturgeon, 1944-47," Trudy Rytovodno-biol. laboratorii Azcherrytvoda, Issue 1, 1949, p. 111-30 - Bibliog: 5 items

SO: U-5241, 17 December 1953, (Letopis 'zhurnal 'nykh Statey No. 26, 1949).

TRCITSKIY, S.K.

Sukhanova, Ye. R. and Troitskiy, S.K. "The ichthyo-fauna in the spawning places of the River 'rybets,' and 'shenaya' in the Psekups River," Trudy Rybovodno-biol. laboratorii Azherriybvoda, Issue 1, 1949, p. 151-81

. SO: U-5241, 17 December 1953, (Letopis 'zhurnal 'nykh Statey No. 26, 1949).

TROITSKIY, S.K., kandidat biologicheskikh nauk.

Lotus in Kuban limans. Priroda 42 no.9:119-120 S '53.

(MLHA 6:8)

1. Dono-Kubanskaya stantsiya Azovo-Chernomorskogo nauchno-issledovatel'skogo
instituta rybnogo khozyaystva. (Kubandelta--Lotus) (Lotus--Kubandelta)

TROITSKIY, S.K., kandidat biologicheskikh nauk.

Limans of the Kuban and prospects of utilizing them effectively.
Trudy VNIRO 31 no.2:204-229 '55. (MLRA 9:8)

1. Dono-Kubanskaya stantsiya Azovsko-Chernomorskogo nauchno-issledovatel'skogo instituta rybnogo khozyaystva i okeanografii.
(Kuban Delta--Fisheries)

TROIITSKIY, S.K.

Introduction of lotuses into the Kuban limans. Bot.zhur.40
no.5:722-727 S-O '55. (MLRA 9:4)

1.Dene-Kubanskaya nauchnaya rybokhozyaystvennaya stantsiya.
(Kuban river--Lotus)

TROITSKIY, S.K.

Propagation and growth of *Aspius aspius* (L.) young-of-the-year in the Kuban River. Vop. ikht. no. 7: 134-138 '56. (MLRA 10:3)

1. Dono-Kubanskaya rubokhozyaystvennaya stantsiya Vsesoyuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khozyaystva i okeanografii.

(Kuban River—Carp)

TROITSKIY, S.K.

Leuciscus barysthenicus (Kessler) in the Kuban Basin. Vop. ikht.
no.13:51-54 '59. (MIRA 13:3)

1. Azovskiy nauchno-issledovatel'skiy institut rybnogo khozyaystva.
(Kuban Valley--Carp)

TROITSKIY, S.K.

N.IA. Danilevskii as the first investigator of fisheries of the
Sea of Azov. Vop. ikht. 1 no.3:383-390 '61. (MIRA 14:11)

1. Azovskiy nauchno-issledovatel'skiy institut rybnogo
khozyaystva, Rostov-na-Donu.
(Danilevskii, Nikolai Iakovlevich, 1822-1885)
(Azov, Sea of—Fisheries)

TROITSKIY, S.K.

Caucasian river bullhead (*Neogobius cephalarges* constructor
(Nordm.)) in the basin of the Don River. Zool. zhur. 40 no. 4; 620
Ap '61. (MIRA 14-3)

1. Azov Research Institute of Fishery Management (Rostov-na-Donu).
(Kalitva River--Gobies)

ALEKSEYEV, V.A.; KIND, N.V.; MATVEYEVA, O.V.; TROITSKIY, S.L.

New data on the absolute chronology of the Upper Pleistocene
and Holocene of Siberia. Dokl. AN SSSR 160 no.5:1147-1150
F 165. (MIRA 18:2)

1. Geologicheskii institut AN SSSR. Submitted May 27, 1964.

TROITSKIY, S.L.

Basic characteristics of changes in the composition of the fauna
according to the cross sections of marine intermorainal layers
in the Ust' Yenisey trough and Lower Pechora Depression. Trudy
Inst. geol. i geofiz. Sib. otd. AN SSSR no.9:48-65 '64.
(MIRA 17:12)

TROITSKIY, S.L.

Recent and fossil *Macoma baltica* (L.) in the shore area of the
Laptev Sea. Dokl. AN SSSR 136 no.2:449-452 '61. (MIRA 14:1)

1. Nauchno-issledovatel'skiy institut geologii Artiki. Predstavleno
akademikom A.L. Yanshinym.
(Laptev Sea region—Lamellibranchiata, Fossil)

TROITSKIY, S.L.

Quantitative characteristics of marine faunal complexes in the
Sanchugovka and Kazantseva strata of Quaternary deposits in
the northern part of the Yenisey Valley. Sbor.st.po paleont.i
biostrat. no.12:80-93 '58. (MIRA 13:4)
(Yenisey Bay region--Paleontology)
(Agapa Valley--Paleontology)

TROITSKIY S.V.

TROITSKIY, S.V. (g.Gur'yev Tul'skoy oblasti)

A working model of a synthetic hydrochloric acid plant. Khim. v
shkole 10 no.5:56-57 S-O '55. (MLRA 8:11)
(Chemical apparatus) (Hydrochloric acid)

YERMOLOV, Viktor Veniaminovich; TROITSKIY, S.L., otv. red.;
SHFAKOVSKAYA, L.I., red.

[Genetically homogeneous surfaces in geomorphological mapping] Geneticheski odnorodnye poverkhnosti v geomorfologicheskom kartirovanii. Otv. red. S.L.Troitskii. Novosibirsk, Red. izdatel'skii otдел Sibirskogo otd-niia AN SSSR, 1964.
36 p. (MIRA 17:9)

TROITSKIY, S.L.

Paleontological and paleobiogeographical methods of studying the
biostratigraphy of Quaternary sediments. Trudy NIIGA 121:126-
129 '62. (MIRA 15:9)

(Paleontology, Stratigraphic)

TROITSKIY, S. L., Cand. Geol-Mineral. Sci. (diss) "Quaternary Deposits and Relief of Northeastern Shore of Gydan'skiy Peninsula, Northwestern Borders of Taymyr'skiy Lowland and Adjacent Parts of Byrranga Mts., " Leningrad, 1961, 19 pp (All-Union Sc.Res. Inst. "VSEGEI,"), 250 copies (KL Supp 12-61, 260).

TROITSKIY, S.M., kand. istor. nauk

Problems in the agrarian history of Eastern Europe; a symposium
in Vilnius. Vest. AN SSSR 33 no.12:87-88 D '63.
(MIRA 17:1)

BOYENKO, I.D., prof., red.; MARKELOV, N.G., otv. red.; TROITSKIY, S.P., zam. otv. red.; KOZLOV, V.A., red.; CHERNYAYEV, N.V., red.; KONOPLEV, G.M., tekhn. red.

[Treatment at the health resorts of Transbaikalia] Lechenie na kurortakh Zabaikal'ia; sbornik nauchno-prakticheskikh rabot. Pod obshchei red. I.D. Boyenko. Chita, TSentr'l kurortnoe upr. Profsoiuzov, No.2. 1960. 162 p. (MIRA 15:12)

1. Nauchno-prakticheskaya konferentsiya vrachey sanitarno-kurortnykh uchrezhdeniy Chitinskogo territorial'nogo upravleniya kurortov, sanatoriyei i domov otdykha. 3d, Darasun, 1959.
 2. Zaveduyushchiy kafedroy normal'noy fiziologii Chitinskogo gosudarstvennogo meditsinskogo instituta (for Boyenko).
 3. Zaveduyushchiy kafedroy patologicheskoy fiziologii Chitinskogo gosudarstvennogo meditsinskogo instituta (for Kozlov).
- (TRANSBAIKALIA—HEALTH RESORTS, WATERING-PLACES, ETC.)

ALIYEVSKIY, B.L. (Moskva); BERTINOV, A.I. (Moskva); TROITSKIY, S.R. (Moskva)

Principal design relationships of unipolar electrical machines.

Izv. AN SSSR. Energ. i transp. no.1:99-105 Ja-F '64.

(MIRA 17:4)

TROITSKIY, S.V., uchitel'

Laboratory experiment of preparing ethyl acetate. Khim. v shkole 18 no.1:
65-67 Ja-F '63. (MIRA 16'4)

1. Gur'yevskaya srednyaya shkola, Tul'skaya oblast'.
(Ethyl acetate) (Chemistry—Experiments)

TROITSKIY, T. G.

NAUCHNO-ISSLEDOVATEL'SKIY INSTITUT ZHELEZNODOROZHNOGO STROITEL'STVA I PROYEKTIROVANIYA.

USTOYCHIVOST' VNETSENTRENNO SZHATYKH ELEMENTOV S N-OBRAZNYM SECHENIYEM. PAGE 35

SO: SBORNIK ANNOTATSIY NAUCHNO-ISSLEDOVATEL'SKIKH RABOT PO STROITEL'STVU,
MOSCOW, 1951

L 15648-66 FBD/FSS-2/ENT(1)/FS(s)/FS(v)-3/EEC(k)-2 TT/ENS/IN/WS-2
 ACC NR: AN6003130 (N) SOURCE CODE: UR/9008/66/000/004/0004/0004

AUTHOR: Troitskiy, V. (Professor)*

ORG: none

TITLE: The Moon reveals itself [Radio astronomy ^{12,55} used to study the moon] ^{12,55}

SOURCE: Krasnaya zvezda, no. 4, 1966, 4

TOPIC TAGS: radio astronomy, lunar surface, lunar radiation, lunar temperature, lunar topography, *lunar radio emission*

ABSTRACT: In an interview given a reporter of the Soviet armed forces newspaper. Krasnaya Zvezda, *Professor Vsevolod S. Troitskiy of the Scientific Research Institute of Radiophysics of the Gor'kiy University im. N. I. Lobachevskiy elaborated on the contribution of radio astronomy to our understanding of conditions on the Moon. Recent measurements indicate that the temperature of the Moon increases to a depth of about 6 m and then the rise drops rather abruptly. The thermal conductivity of the Moon's upper layer was found to be 100 to 300 times lower than that of common terrestrial rocks. At a depth of 150-200 km, the lunar interior apparently attains a temperature of 1000 degrees. Troitskiy and his colleagues believe that lunar matter most closely resembles volcanic ash, Card 1/3

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tuff, basalt, and other rock of so-called average basicity, and that the upper layer of the entire lunar surface is highly porous. By the use of a radio telescope, it was determined that the electric conductivity of the upper 3- to 4-cm layer of the lunar surface is 1 1/2 times greater than that of the rock located deeper. The electric conductivity of the upper layer of the Moon is equivalent to that of meteoric stone. The density of lunar matter increases 1.5 to 2 times from the surface to a depth of 3-4 cm. Apparently a 6- to 8-meter layer of porous matter covers the Moon's hard rock matter. If, however, according to computer data, density at a depth of 3 to 4 cm approaches 1, then the surface layer of the Moon has a density equal to only half the density of water. The depth of penetration of radio waves into the lunar rocks provides a source of information about their chemical and mineralogical composition. The depth of wave penetration for various terrestrial rocks was investigated and compared with that obtained for the Moon; it was found that lunar matter called "lunite," probably consists of 60-65% silicon oxide, 15-20% aluminum oxide, and 20% potassium, sodium, magnesium, and ferric oxides. Estimates were derived of the interior temperature distribution of the Moon on the basis of fissionable heating processes and it was postulated that the Moon has a hard core and that the concentration of radioactive elements is 5-6 times greater than on the Earth. For the past 3-4 years astronomers of the Gorkiy Institute have studied the radio emission of the Moon on 20 different wavelengths, ranging from 0.1 to 70 cm.

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Some 30,000 measurements were carried out. Radio astronomers will continue to explore the Moon, concentrating their efforts first on learning the physical properties of the major features of the lunar relief; later, when large radio telescopes become operable, they will study the smaller features of the lunar surface. It is not excluded, the author concludes, that this problem will be solved sooner by those who land on the Moon. The landing of a space expedition on the Moon is now only an engineering problem. Orig. art. has: 1 figure. [VM]

SUB CODE: 03/ SUBM DATE: none/ ATD PRESS: 4/201

PC
Card 3/3

TROITSKIY, V., inzh.-gidrograf

What modern sailing directions should be like. Mor. flot 25
no.8:16-17 Ag '65. (MIRA 18:8)

1. Deystvitel'nyy chlen Geograficheskogo obshchestva SSSR.